



NJ DEPARTMENT OF TRANSPORTATION

RESEARCH LIBRARY

SELECTED RECENT ACQUISITIONS

July - September 2013

The resources reported in this issue are listed by main subject area and then alphabetically by title. Each item is listed only once, so please check related subjects for additional materials that may be of interest.

Administration and Management

DBE Program Communications Findings - Final Report /

ASG Renaissance and UM-Dearborn iLabs -- Ann Arbor, MI : University of Michigan ; Lansing, MI : Michigan Dept. of Transportation, Research Administration, 2012-09 (RC-1582), 104 pp.
http://www.michigan.gov/documents/mdot/RC-1582_424782_7.pdf?20130618125610

Executive Report: Toll Roads, Toll Rates, and Driver Behavior /

Curtis Beaty, Mark Burris, and Tim Geiselbrecht -- College Station, TX : Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2013-07 (FHWA/TX-13/0-6737-1), 14 pp.
<http://tti.tamu.edu/documents/0-6737-1.pdf>

Hazardous Materials Transportation Risk Assessment: State of the Practice /

Visual Risk Technologies, Inc. -- Washington, DC : Transportation Research Board, 2013 (HMCRP Report 12), 114 pp.

Investigation into the Impact of Privatizing Civil Engineering Operations in Louisiana DOTD /

Chester G. Wilmot et al. -- Baton Rouge, LA : Louisiana State University, Louisiana Transportation Research Center and Dept. of Civil and Environmental Engineering ; Louisiana Dept. of Transportation and Development, 2013-06 (FHWA/LA.13/504), 83 pp. http://www.ltrc.lsu.edu/pdf/2013/ts_504.pdf ; http://www.ltrc.lsu.edu/pdf/2013/FR_504.pdf

Nebraska Surface Transportation Program Book: Fiscal Years 2014 - 2019 /

Nebraska Department of Roads -- Lincoln, NE : NDOR, 2013, 50 pp. www.transportation.nebraska.gov/hwy-pgm

The Next Boom: What You Absolutely, Positively Have to Know About the World Between Now and 2025 /

Jack W. Plunkett -- Houston, TX : BizExecs Press, 2010, 274 pp.

Optimal Investment Decision-Making for Highway Transportation Asset Management under Risk and Uncertainty /

Zongzhi Li and Praveen Kaini -- Madison, WI : University of Wisconsin-Madison, Dept. of Civil and Environmental Engineering, Midwest Regional University Transportation Center ; U.S. Dept. of Transportation, Research and Innovative Technology Administration, 2007-09 (MRUTC 07-10), 189 pp.

Performance Measurement of Transportation Systems: Summary of the Fourth International Conference /

Katherine Turnbull, rapporteur -- Washington, DC : Transportation Research Board, 2013 (Conference Proceedings 49), 102 pp.

State Department of Transportation Small Business Programs /

Deirdre D. Kyle -- Washington, DC : Transportation Research Board, 2013 (NCHRP Synthesis 448), 84 pp.

Aviation

Airport Responsibility for Wildlife Management /

Douglas J. Rillstone and Caroleen M. Dineen -- Washington, DC : Transportation Research Board, 2013-07 (Legal Research Digest 20), 164 pp. <http://www.trb.org/Publications/Blurbs/169414.aspx>

Conducting Airport Peer Reviews /

Kimberly R.C. Linsenmayer -- Washington, DC : Transportation Research Board, 2013 (ACRP Synthesis 46), 40 pp.

Developing and Maintaining Support for Your Airport Capacity Project /

Evan Futterman et al. -- Washington, DC : Transportation Research Board, 2103 (ACRP Report 85), 30 pp.

Experimental Effective Intensity of Steady and Flashing Light-Emitting Diodes for Aircraft Anti-Collision Lighting /

Chris Yakopcic et al. -- Dayton, OH : University of Dayton ; Oklahoma City, OK : FAA Civil Aerospace Medical Institute ; Renton, WA : FAA Transport Airplane Directorate, 2013-08 (DOT/FAA/AM-13/15), 11 pp.
http://www.faa.gov/data_research/research/med_humanfacs/oamtechreports/2010s/media/201315.pdf

How Airports Measure Customer Service Performance /

Lois S. Kramer, Aaron Bothner, and Max Spiro -- Washington, DC : Transportation Research Board, 2013 (ACRP Synthesis 48), 93 pp.

Impact of Regulatory Compliance Costs on Small Airports /

Unison Consulting, Inc. et al. -- Washington, DC : Transportation Research Board, 2013 (ACRP Report 90), 84 pp.

Issues with Airport Organization and Reorganization /

Kimberly A. Kenville and James F. Smith -- Washington, DC : Transportation Research Board, 2013 (ACRP Synthesis 40), 32 pp.

Model Mutual Aid Agreements for Airports /

James F. Smith and Kimberly Kenville -- Washington, DC : Transportation Research Board, 2103 (ACRP Synthesis 45), 56 pp.

New Jersey Airport Directory /

NJ Division of Aeronautics -- Trenton, NJ : New Jersey Dept. of Transportation, Division of Aeronautics, 2013-05, 92 pp.

The Vector-Borne Disease Airport Importation Risk Tool [CD-ROM] /

Airport Cooperative Research Program -- Washington, DC : Transportation Research Board, 2013 (CRP-CD-137), 1 CD-ROM
<http://www.trb.org/main/blurbs/169301.aspx> ; <http://www.vbd-air.com/>

Bridges and Structures

2011 AASHTO Guide Specifications for LRFD Seismic Bridge Design - 2nd Edition - 2014 Interim Revisions [Looseleaf] /

American Association of State Highway and Transportation Officials -- Washington, DC : AASHTO, 2013, 19 pp.

2014 Interim Revisions to AASHTO LRFD Movable Highway Bridge Design Specifications - 2nd Edition - 2007 [Looseleaf] /

American Association of State Highway and Transportation Officials -- Washington, DC : AASHTO, 2013, 19 pp.

ERRATA for AASHTO LRFD Bridge Design Guide Specifications for GFRP-Reinforced Concrete Bridge Decks and Traffic Railings (GFRP-1) [Looseleaf] /

American Association of State Highway and Transportation Officials -- Washington, DC : AASHTO, 2013-07, 2 pp.

Evaluation of the Installation and Initial Condition of Rosphalt Overlays on Bridge Decks /

Michael M. Sprinkel and Alex K. Apeagyei -- Charlottesville, VA : Virginia Center for Transportation Innovation and Research ; Richmond, VA : Virginia Dept. of Transportation, 2013-06 (FHWA/VCTIR 13-R3), 53 pp.
http://www.virginiadot.org/vtrc/main/online_reports/pdf/13-r6.pdf

Greener Protection for Steel Bridges: Testing Nano-Enhanced Corrosion-Resistant Coatings [Fact Sheet] /

Exploratory Advanced Research Program -- Washington, DC : U.S. Dept. of Transportation, Federal Highway Administration, 2013 (FHWA-HRT-13-064), 2 pp.

Pretensioned Box Beams: Prestress Transfer and Shear Behavior /

Alejandro Avendaño et al. -- Austin, TX : University of Texas at Austin, Center for Transportation Research ; Texas Dept. of Transportation, Research and Technology Implementation Office, 2013-07 (FHWA/TX-13/0-5831-3), 278 pp.
<http://library.ctr.utexas.edu/ctr-publications/0-5831-3.pdf>

Self-Consolidating Concrete Repairs on Interstate 25 Bridge Abutments North of Mead /

Panos D. Kioussis and Brent L. Whitcomb -- Golden, CO : Colorado School of Mines ; Denver, CO : Colorado Dept. of Transportation - Research, 2013-07 (CDOT-2013-1), 21 pp.
<http://www.coloradodot.info/programs/research/pdfs/2013/performance.pdf/view>

Skewed Highway Bridges /

Gongkang Fu and Pang-jo Chun -- Detroit, MI : Wayne State University, Dept. of Civil and Environmental Engineering, Center for Advanced Bridge Engineering ; Lansing, MI : Michigan Dept. of Transportation, Research Administration, 2013-08 (RC-1541), 193 pp. http://www.michigan.gov/documents/mdot/RC-1541_430318_7.pdf?20130809140843

Structures 2013 - Volume 1 /

Transportation Research Board -- Washington, DC : TRB, 2013 (Transportation Research Record No. 2331), 89 pp.

Ultra-High Performance Concrete: A State-of-the-Art Report for the Bridge Community /

Henry G. Russell and Benjamin A. Graybeal -- Glenview, IL : Henry G. Russell, Inc. ; McLean, VA : Federal Highway Administration, Office of Infrastructure Research & Development, 2013-06 (FHWA-HRT-13-060), 171 pp.
<http://www.fhwa.dot.gov/publications/research/infrastructure/structures/hpc/13060/13060.pdf>

Construction

Forecasting Highway Construction Staffing Requirements /

Timothy R.B. Taylor and William F. Maloney -- Washington, DC : Transportation Research Board, 2013 (NCHRP Synthesis 450), 75 pp.

Legal Aspects of Performance-Based Specifications for Highway Construction and Maintenance Contracts /

Michael C. Loulakis -- Washington, DC : Transportation Research Board, 2013-07 (Legal Research Digest 61), 61 pp.
<http://www.trb.org/Publications/Blurbs/169215.aspx>

Price Adjustment Clauses: Report /

David E. Newcomb, Russel Lenz, and Jon Epps -- College Station, TX : Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2013-06 (FHWA/TX-13/0-6799-1), 84 pp.
<http://tti.tamu.edu/documents/0-6799-1.pdf>

Energy and Environment

Air Quality 2013 - Volume 1 /

Transportation Research Board -- Washington, DC : TRB, 2013 (Transportation Research Record No. 2340), 94 pp.

Creating Productive Roadways: Developing an Advanced Energy Production, Storage, and Distribution System [Fact Sheet] /

Exploratory Advanced Research Program -- Washington, DC : U.S. Dept. of Transportation, Federal Highway Administration, 2013 (FHWA-HRT-12-063), 2 pp.

Does Natural Gas Make Sense for Freight? Environmental and Resource Implications of the "Pickens Plan" /

Paul J. Meier et al. -- Madison, WI : University of Wisconsin-Madison, National Center for Freight & Infrastructure Research & Education (CFIRE) ; Washington, DC : U.S. Dept. of Transportation, Research and Innovative Technology Administration, 2013-04 (CFIRE 04-22), 29 pp.

Energy Savings Strategies for Transit Agencies /

Frank Gallivan -- Washington, DC : Transportation Research Board, 2013 (TCRP Synthesis), 68 pp.

Investigation into Effective Traffic Noise Abatement Design Solutions for Mountain Corridors /

Dale Tischmak -- Centennial, CO : Felsburg, Holt and Ullevig ; Denver, CO : Colorado Dept. of Transportation - Research, 2013-07 (CDOT-2013-11), 118 pp. <http://www.coloradodot.info/programs/research/pdfs/2013/performance.pdf/view>

Monitoring Functionality and Durability of the New York State Highway 30 Turtle Barrier and Adjacent Nesting Substrate /

Tom A. Langen -- Potsdam, NY : Clarkson University ; Albany, NY : New York State Dept. of Transportation, 2012-08 (Report No. C-10-06), 40 pp.

https://www.dot.ny.gov/divisions/engineering/technical-services/trans-r-and-d-repository/TRP-03-283-13-NYCC%20Energy%20Analysis%20Report%202013-6-11_FINAL.pdf

Re-evaluation of Montana's Air Quality Program /

James H. Wilson, Jr. et al. -- Vienna, VA : SC&A Inc. ; Helena, MT : Montana Dept. of Transportation, Research Programs, 2013-08 (FHWA/MT-13-006/8220), 108 pp.

http://www.mdt.mt.gov/other/research/external/docs/research_proj/cmaq/FINAL_REPORT_13.PDF

Transportation Energy Data Book: Edition 32 /

Stacy C. Davis, Susan W. Diegel, and Robert G. Boundy -- Oak Ridge, TN : Oak Ridge National Laboratory ; Washington, DC : U.S. Dept. of Energy, Office of Energy Efficiency and Renewable Energy, Vehicle Technologies Office, 2013-07 (ORNL-6989 (Edition 32 of ORNL-5198)), various pagings cta.ornl.gov/data

Freight / Goods Movement

Achieving Scale Strategically: Understanding Freight Flows in Regional Food Supply Chains /

David A. Nelson et al. -- Madison, WI : University of Wisconsin-Madison, Dept. of Civil and Environmental Engineering, National Center for Freight & Infrastructure Research & Education (CFIRE) ; Washington DC : U.S. Dept. of Transportation, Research and Innovative Technology Administration, 2013-06 (CFIRE 05-17), 69 pp.

Best Practices in Freight Planning /

Jessica Guo and Ernie Wittwer -- Madison, WI : University of Wisconsin-Madison, Dept. of Civil and Environmental Engineering, National Center for Freight & Infrastructure Research & Education (CFIRE) ; Wisconsin Dept. of Transportation, 2009-02 (MVFC-03), 46 pp.

Freight from Space: Evaluating Freight Activity and Emissions from Satellite Data /

Erica Bickford and Tracey Holloway -- Madison, WI : University of Wisconsin-Madison, Dept. of Civil and Environmental Engineering, National Center for Freight & Infrastructure Research & Education (CFIRE) ; Washington, DC : U.S. Dept. of Transportation, Research and Innovative Technology Administration, 2013-06 (CFIRE 04-20), 53 pp.

Freight Traveler Information Clearinghouse: Mississippi Valley Freight Coalition /

Peter Rafferty et al. -- Madison, WI : University of Wisconsin-Madison, Dept. of Civil and Environmental Engineering, National Center for Freight & Infrastructure Research & Education (CFIRE), 2009-05 (Project MVFC 06), 89 pp.

GPS Based Pilot Survey of Freight Movements in the Midwest Region /

Kouros Mohammadian et al. -- Chicago, IL : University of Illinois at Chicago, Dept. of Civil and Materials Engineering ; Washington, DC : U.S. Dept. of Transportation, Research and Innovative Technology Administration, 2013-04 (CFIRE 04-13), 42 pp.

Low Cost Strategies for Short Term Parking on Interstate Highways of the MVFC [Mississippi Valley Freight Coalition] /

Teresa M. Adams et al. -- Madison, WI : University of Wisconsin-Madison, Dept. of Civil and Environmental Engineering, National Center for Freight & Infrastructure Research & Education (CFIRE) ; Wisconsin Dept. of Transportation, Research and Library Section, 2009-06 (MVFC 04), 80 pp.

Performance Measures for Evaluating Multi-State Projects /

Ernie Wittwer -- Madison, WI : University of Wisconsin-Madison, Dept. of Civil and Environmental Engineering, National Center for Freight & Infrastructure Research & Education (CFIRE) ; Wisconsin Dept. of Transportation, 2011-09 (CFIRE MAFC-11), 34 pp.

Transportation Profiles for MAFC Commodities /

Alan Horowitz et al. -- Madison, WI : University of Wisconsin-Madison, College of Engineering, Dept. of Civil and Environmental Engineering, National Center for Freight & Infrastructure Research & Education (CFIRE) ; Wisconsin Dept. of Transportation, 2011-09 (CFIRE MAFC-10), 30 pp.

Geotechnical

Composite Behavior of Geosynthetic Reinforced Soil Mass /

Jonathan T.H. Wu, Thang Q. Pham, and Michael T. Adams -- Denver, CO : University of Colorado Denver, Dept. of Civil Engineering ; McLean, VA : Federal Highway Administration, Office of Infrastructure Research and Development, 2013-07 (FHWA-HRT-10-077), 214 pp. <http://www.fhwa.dot.gov/publications/research/infrastructure/10077/10077.pdf>

CORS 911: Continuously Operating Reference Stations for the Bayou Corne Sinkhole [TechSummary] /

Joshua D. Kent -- Baton Rouge, LA : Louisiana State University, Louisiana Transportation Research Center, 2013-06 (Research Project Capsule 13-9GT), 2 pp. https://www.ltrc.lsu.edu/pdf/2013/capsule_13_9GT.pdf

Geomaterials 2013 /

Transportation Research Board -- Washington, DC : TRB, 2013 (Transportation Research Record No. 2335), 129 pp.

In-Situ Evaluation of Design Parameters and Procedures for Cementiously Treated Weak Subgrades using Cyclic Plate Load Tests [TechSummary] /

Murad Y. Abu-Farsakh -- Baton Rouge, LA : Louisiana State University, Louisiana Transportation Research Center, 2013-06 (Research Project Capsule 11-1GT), 2 pp. https://www.ltrc.lsu.edu/pdf/2013/capsule_11_1GT.pdf

GIS/GPS

Evaluation of Traffic-Flow Monitoring Technologies: Cicero-Midway Smart Corridor Case Study /

Jakob Eriksson -- Chicago, IL : University of Illinois at Chicago, Dept. of Computer Science ; Springfield, IL : Illinois Dept. of Transportation, Bureau of Materials and Physical Research, 2013-06 (FHWA-ICT-13-007), 17 pp. <http://ict.illinois.edu/publications/report%20files/FHWA-ICT-13-007.pdf>

History

Loudoun County Road Orders 1757 - 1783 /

Patricia B. Duncan and Ann Brush Miller -- Charlottesville, VA : Virginia Center for Transportation Innovation and Research ; Richmond, VA : Virginia Dept. of Transportation, 2013-05 (FHWA/VCTIR 13-R10), 441 pp. http://www.virginiadot.org/vtrc/main/online_reports/pdf13-r10.pdf

SLA at 100: from "Putting Knowledge to Work" to Building the Knowledge Culture: A Centennial History of SLA (Special Libraries Association) 1909-2009 /

Guy St. Clair -- Alexandria, VA : Special Libraries Association, 2009, 206 pp.

Human Resources

Research and Education /

Transportation Research Board -- Washington, DC : TRB, 2013 (Transportation Research Record No. 2328), 53 pp.

Information Management

For Attribution -- Developing Data Attribution and Citation Practices and Standards: Summary of an International Workshop /

Paul F. Uhlir, rapporteur; Board on Research Data and Information, Policy and Global Affairs; National Research Council -- Washington, DC : National Academies Press, 2012, 239 pp. http://nap.edu/catalog.php?record_id=13564

Use of Advanced Geospatial Data, Tools, Technologies, and Information in Department of Transportation Projects /

Matthew J. Olsen, John D. Raugust, and Gene V. Roe -- Washington, DC : Transportation Research Board, 2013 (NCHRP Synthesis 446), 87 pp.

Intelligent Transportation Systems (ITS)

Field Evaluation of Smart Sensor Vehicle Detectors at Intersections - Volume 1: Normal Weather Conditions /

Juan C. Medina, Rahim F. Benekohal, and Hani Ramezani -- Urbana, IL : University of Illinois at Urbana-Champaign, Dept. of Civil and Environmental Engineering ; Springfield, IL : Illinois Dept. of Transportation, Bureau of Materials and Physical Research, 2012-10 (FHWA-ICT-12-016), 39 pp. <http://ict.illinois.edu/Publications/report%20files/FHWA-ICT-12-016.pdf>

Schodack Smart Roadside Inspection System /

Intelligent Imaging Systems, Inc. -- Edmonton, Canada : Intelligent Imaging Systems, Inc. ; Albany, NY : New York State Dept. of Transportation (NYSDOT), 2013-02 (C-10-19), 41 pp.

<https://www.dot.ny.gov/divisions/engineering/technical-services/trans-r-and-d-repository/C-10-19%20Schodack%20Smart%20Roadside%20Inspection%20System%20Enhancement%20Final%20Report.pdf>

Landscape and Urban Design

Evaluation of Soil Resources for Sustained Vegetative Cover of Cut-Slopes Along I-70 Near Straight Creek /

Vic Claassen -- Denver, CO : Colorado Dept. of Transportation - Research, 2013-07 (CDOT-2013-14), 46 pp.

<http://www.coloradodot.info/programs/research/pdfs/2013/cutslopes.pdf/view>

Marine / Waterways

Marine Environment, Safety, and Human Factors 2013 /

Transportation Research Board -- Washington, DC : TRB, 2013 (Transportation Research Record No. 2326), 58 pp.

Waterborne Freight Transportation Bottom Line Report /

American Association of State Highway and Transportation Officials -- Washington, DC : AASHTO, 2013-06, various pagings

Materials

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American Association of State Highway and Transportation Officials, Highway Subcommittee on Materials -- Washington, DC : AASHTO, 2013, various pagings

Alternative Materials for Sustainable Transportation /

Zhanping You et al. -- Houghton, MI : Michigan Technological University ; Lansing, MI : Michigan Dept. of Transportation, 2012-09 (RC-1591), 146 pp. http://www.michigan.gov/documents/mdot/RC-1591_430667_7.pdf?20130819111830

Characterization and Best Use of Recycled Asphalt Shingles in Hot-Mix Asphalt /

Fujie Zhou et al. -- College Station, TX : Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2013-07 (FHWA/TX-13/0-6614-2), 88 pp.

<http://tti.tamu.edu/documents/0-6614-2.pdf>

Design and Construction Recommendations for Thin Overlays in Texas /

Bryan Wilson, Tom Scullion, and Cindy Estakhri -- College Station, TX : Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2013-09 (FHWA/TX-13/0-6615-1), 230 pp. <http://tti.tamu.edu/documents/0-6615-1.pdf>

Developing Criteria for Performance-Based Concrete Specifications /

Zachariah J. Ballard, Stephen Durham, and Rui Liu -- Denver, CO : University of Colorado Denver ; Colorado Dept. of Transportation - Research, 2013-07 (CDOT-2013-9), 75 pp. <http://www.coloradodot.info/programs/research/pdfs/2013/performance.pdf/view>

Early Age Rutting Potential of Warm Mix Asphalt (WMA) /

Thomas Bennert -- Piscataway, NJ : Rutgers University, Center for Advanced Infrastructure and Transportation (CAIT) ; Albany, NY : New York State Dept. of Transportation, 2012-12 (C-10-08), 32 pp. <https://www.dot.ny.gov/divisions/engineering/technical-services/trans-r-and-d-repository/C-10-08%20Final%20Report.pdf>

Evaluation of Superpave Mixtures Containing Hydrated Lime /

Louay N. Mohammad et al. -- Baton Rouge, LA : Louisiana Transportation Research Center, 2013-07 (FHWA/LA/432), 126 pp. http://www.ltrc.lsu.edu/pdf/2013/FR_432.pdf

Expanded Study on the Effects of Aggregate Coating and Films on Concrete Performance /

Jose F. Muñoz et al. -- Madison, WI : University of Wisconsin-Madison, Dept. of Civil and Environmental Engineering ; Wisconsin Dept. of Transportation, Division of Transportation Infrastructure Development, Research Coordination Section, 2007-10 (WHRP 07-12), 74 pp.

Friction Angles of Open-Graded Aggregates from Large-Scale Direct Shear Testing [TechBrief] /

Turner-Fairbank Highway Research Center -- McLean, VA : U.S. Dept. of Transportation, Federal Highway Administration, 2013-07 (FHWA-HRT-13-068), 8 pp.

Improved Mix Design, Evaluation, and Materials Management Practices for Hot Mix Asphalt with High Reclaimed Asphalt Pavement Content /

Randy West, James Richard Willis, and Mihai Marasteanu -- Washington, DC : Transportation Research Board, 2013 (NCHRP Report 752), 152 pp.

Laboratory Evaluation of High Asphalt Binder Replacement with Recycled Asphalt Shingles (RAS) for a Low N-Design Asphalt Mixture /

Hasan Ozer, Imad L. Al-Qadi, and Ahmad Kanaan -- Rantoul, IL : University of Illinois at Urbana-Champaign, Dept. of Civil and Environmental Engineering, Illinois Center for Transportation ; Springfield, IL : Illinois Dept. of Transportation, Bureau of Materials and Physical Research, 2012-10 (FHWA-ICT-12-018), 40 pp. <http://ict.illinois.edu/publications/report%20files/FHWA-ICT-12-018.pdf>

Long-Term Monitoring of Mechanical Properties of FRP Repair Materials /

Rebecca A. Atadero, Douglas G. Allen, and Oscar R. Mata -- Fort Collins, CO : Colorado State University, Dept. of Civil & Environmental Engineering ; Denver, CO : Colorado Dept. of Transportation - Research, 2013-07 (CDOT-2013-13), 181 pp. <http://www.coloradodot.info/prgrams/research/pdfs/2013/frp.pdf/view>

New Generation HMA Mix Designs: Accelerated Pavement Testing of a Type C Mix with the ALF Machine /

Lubinda F. Walubita and Tom Scullion -- College Station, TX : Texas A&M Transportation Institute ; San Antonio, TX : University of Texas at San Antonio ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2013-07 (FHWA/TX-13/0-6132-2), 70 pp. <http://tti.tamu.edu/documents/0-6132-2.pdf>

New Generation Mix-Designs: Laboratory-Field Testing and Modifications to Texas HMA Mix-Design Procedures /

Lubinda F. Walubita, Jacob Hoeffner, and Tom Scullion -- College Station, TX : Texas A&M Transportation Institute ; San Antonio, TX : University of Texas at San Antonio ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2013-07 (FHWA/TX-13/0-6132-3), 126 pp. <http://tti.tamu.edu/documents/0-6132-3.pdf>

The Overlay Tester (OT): Comparison with Other Crack Test Methods and Recommendations for Surrogate Crack Tests /

Lubinda F. Walubita et al. -- College Station, TX : Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2012-08 (FHWA/TX-13/0-6607-2), 180 pp.
<http://tti.tamu.edu/documents/0-6607-2.pdf>

Performance of Chip Seals Using Local and Minimally Processed Aggregates for Preservation of Low Traffic Volume Roadways /

Scott Shuler -- Fort Collins, CO : Colorado State University ; Denver, CO : Colorado Dept. of Transportation - Research, 2013-07 (CDOT-2013-7), 96 pp. <http://www.coloradodot.info/programs/research/pdfs/2013/aggregates.pdf/view>

Recycled Materials and Byproducts in Highway Applications - Summary Report - Volume 1 /

Mary Stroup-Gardiner and Tanya Wattenberg-Komas -- Washington, DC : Transportation Research Board, 2013 (NCHRP Synthesis 435), 93 pp.

Recycled Tires as Coarse Aggregate in Concrete Pavement Mixtures /

Rui Liu -- Denver, CO : University of Colorado Denver ; Colorado Dept. of Transportation - Research, 2013-07 (CDOT-2013-10), 47 pp. <http://www.coloradodot.info/programs/research/pdfs/2013/rubberconcrete.pdf/view>

Revision and Further Validation of Surface-Performance Graded Specification for Surface Treatment Binders /

Aishwarya Vijaykumar et al. -- College Station, TX : Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2013-07 (FHWA/TX-12/0-6616-1), 124 pp.
<http://tti.tamu.edu/documents/0-6616-1.pdf>

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American Association of State Highway and Transportation Officials, Highway Subcommittee on Materials -- Washington, DC : AASHTO, 2013, various pagings

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American Association of State Highway and Transportation Officials, Highway Subcommittee on Materials -- Washington, DC : AASHTO, 2013, various pagings

Standard Specifications for Transportation Materials and Methods of Sampling and Testing - Part 2A: Tests T 2 - T 232 /

American Association of State Highway and Transportation Officials, Highway Subcommittee on Materials -- Washington, DC : AASHTO, 2013, various pagings

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American Association of State Highway and Transportation Officials, Highway Subcommittee on Materials -- Washington, DC : AASHTO, 2013, various pagings

Superhydrophobic Engineered Cementitious Composites for Highway Applications: Phase I /

Konstantin Sobolev et al. -- Madison, WI : University of Wisconsin-Madison, Dept. of Civil and Environmental Engineering, National Center for Freight & Infrastructure Research & Education (CFIRE) ; Washington DC : U.S. Dept. of Transportation, Research and Innovative Technology Administration, 2013-05 (CFIRE 04-09), 70 pp.

Superhydrophobic Engineered Cementitious Composites for Highway Applications: Phase II /

Konstantin Sobolev et al. -- Madison, WI : University of Wisconsin-Madison, Dept. of Civil and Environmental Engineering, National Center for Freight & Infrastructure Research & Education (CFIRE) ; Washington DC : U.S. Dept. of Transportation, Research and Innovative Technology Administration, 2013-06 (CFIRE 05-10), 79 pp.

Use of Manufactured Sands for Concrete Pavement /

David Whitney, David W. Fowler, and Marc Rached -- Austin, TX : University of Texas at Austin, Center for Transportation Research ; Texas Dept. of Transportation, Research and Technology Implementation Office, 2013-08 (FHWA/TX-13/0-6255-1), 204 pp. <http://library.ctr.utexas.edu/ctr-publications/0-6255-1.pdf>

Operations and Maintenance

Analysis of Prospective Systems for Fog Warnings /

Peter S. Ray, Xizhen Du, and Justin Rivard -- Tallahassee, FL : Florida State University, Dept. of Earth, Ocean, and Atmospheric Science ; Florida Dept. of Transportation, 2013-07 (FDOT BDK83 977-19), 78 pp.
http://www.dot.state.fl.us/research-center/Completed_Proj/Summary_TE/FDOT-BDK83-977-19-rpt.pdf

Demonstration of Roundabout Lighting Based on the Ecoluminance Approach /

John D. Bullough et al. -- Troy, NY : Rensselaer Polytechnic Institute, Lighting Research Center ; Albany, NY : New York State Energy Research and Development Authority (NYSERDA) ; New York State Dept. of Transportation, 2012-08 (18233 / C-08-03), 45 pp.
<https://www.dot.ny.gov/divisions/engineering/technical-services/trans-r-and-d-repository/C-08-03FinalReport-Project18233-C0803.pdf>

Fleet Management Performance Monitoring /

Paul Kauffmann, Richard Williams, and John Hildreth -- Greenville, NC : East Carolina University, Dept. of Engineering ; Charlotte, NC : University of North Carolina, Charlotte, Dept. of Engineering Technology and Construction Management ; Raleigh, NC : North Carolina Dept. of Transportation, Research and Analysis Group, 2013-05 (FHWA/NC/2012-07), 204 pp.
<http://www.ncdot.gov/doh/preconstruct/tpb/research/download/2012-07FinalReport.pdf>

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NC Roadway Lighting Needs Assessment, Maintenance Prioritization Tool and Performance Measures /

Srinivas S. Pulugurtha and Ravishankar Potty Narayanan -- Charlotte, NC : University of North Carolina at Charlotte, Center for Transportation Policy Studies, Dept. of Civil & Environmental Engineering ; Raleigh, NC : North Carolina Dept. of Transportation, Research and Analysis Group, 2013-05 (FHWA/NC/2012-14), 119 pp.
<http://www.ncdot.gov/doh/preconstruct/tpb/research/download/2012-14finalreport.pdf>

NJDOT Operations: Hurricane Sandy Summary [Electronic] /

New Jersey Department of Transportation, Operations [Richard M. Shaw] -- Trenton, NJ : NJDOT, 2013-04, 16 slides

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